

POPOV'YAN, M.D., Cand Med sci -- (diss) "^{Disruptive}~~Disorders~~
of ^{possibility}~~the passage~~ of the ~~paths of~~ cerebrospinal fluid
in certain diseases of the nervous system." Saratov,
1958, 11 pp (Min of Health RSFSR. Saratov State Med
Inst) 230 copies (KL, 29-58, 137)

- 125 -

POPOV'YANTS, M. N. (Cand Vet Sci); SHORIN, I. Ye. (Cand Biol Sci); SHABUROV, M. S.

"Isolation of a Living Bacterial Culture of *Brucella* from a Quasi-Sterile Semiliquid Antibrucellosis Formol Vaccine," *Veterinariya*, Vol 27, No 9, pp 28-30, 1950.

the
(This report is from the Dept of Biochemistry, All-Union Inst. of Experimental Veterinary Science)

Translation W-17962, 3 May 51

LOGVINENKO, P.I., kandidat meditsinskikh nauk; POPOV'YANTS, R.S.,
(gor. Voroshilov)

Part 1: Spontaneous rupture of the stomach. Part 2: Subcutaneous
rupture of the duodenum. Vest.khir. 77 no.5:84-86 My '56. (MLRA 9:8)
(STOMACH, rupture,
spontaneous (Rus))
(DUODENUM, rupture,
subcutaneous (Rus))

POPOV YAKOV, K.S.

LOGVINENKO, P.I., kand.med.nauk; POPOV'YENTS, R.S.; BORTNIKOV, O.G.
(g. Voroshilov)

Intraperitoneal infusion of antibiotics in acute suppurative
peritonitis. Khirurgiia 33 no.9:64-66 S '57. (MIRA 11:4)

(PERITONITIS, ther.

antibiotics, intraperitoneal admin. in laparotomy)

(ANTIBIOTICS, ther. use

peritonitis, intraperitoneal admin. in laparotomy)

LOGVINENKO, P.I., kand. med. nauk; SOLOV'YEV, V.F.; POPOV'YANTS, R.S.

Use of potentiated anesthesia. Vest. khir. 82 no.6:109-114 Ja '59.
(MIRA 12:8)

1. Iz N-skogo voyennogo gosptalya.
(ANESTHESIA) (AUTONOMIC DRUGS)

POPOV'YANTS, R.S.

Treatment of obliterating endarteritis. Khirurgiia 36 no.3:

93-98 Mr '60.

(MIRA 13:12)

(ARTERIES--DISEASES)

(LOCAL ANESTHESIA)

POPOV'YANTS, R.S.; PIROZHENKO, V.V.

Operative treatment of closed trauma of the diaphragmatic surface
of the liver. Vest. khir. 84 no. 4:39-42 Ap '60. (MIRA 14:1)
(LIVER—WOUNDS AND INJURIES)

POPOV'YANTS, R.S.

LOGVINENKO, P.I., kand.med.nauk; POPOV'YANTS, R.S. (gor.Voroshilov,
Primorskogo kraya)

Results of treating perforation of gastroduodenal ulcers by
suturing [with summary in English, p.157]. Vest.khir. 80 no.1:
41-43 Ja '58. (MIRA 11:4)

(PEPTIC ULCER, perf.
surg., results (Rus))

POPOV'YANIS, R.S.; BENTHEOV, O.G. (Uchenyye i klinicheskoye znachenie)

Pericholedochal lymphadenitis as a complication of Botkin's disease. Sov. med. 27 no.2:26-28 F '64.

(MIRA 17:10)

BASOV, N. G. [Basov, N. G.]; KROCHIN, O. N. [Krokhin, O. N.]; POPCOV,
J. M. [Popov, Yu. M.]

Preparation of states with negative temperature at p-n transitions of degenerated semiconductors. Acta phys Hung 14 no.2 3: 241-243 '62.

L. P. N. Lebedew Institut fur Physik der Akademie der Wissenschaften USSR, Moskau, USSR. Vorgelegt von G. Szigeti [Gyorgy Szigeti]

KASPRZYK, Henryk; POPOW, Jerzy; JODCZYK, Kazimierz

Pneumatois cystoides intestinalis. Pol. tyg. lek. 17 no.48:1878-1870
26 0 '62.

1. Z Zakladu Anatomii Patologicznej AM w Bialymstoku; kierownik:
prof. dr med. L. Komczynski.
(PNEUMATOSIS CYSTOIDES INTESTINALIS)

POPOW, Jerzy

Peptic ulcer and multiple papillomas of the esophagus and pylorus in an infant. *Pediat Pol* 37 no.2:187-189 F '62.

1. Z Zakladu Anatomii Patologicznej AM w Bialymstoku Kierownik: prof. dr med. L. Komczynski.

(PEPTIC ULCER in inf & child)
(PAPILLOMA in inf & child)
(ESOPHAGUS neopl)
(PYLORUS neopl)

KLIMOWICZ, Leon; POPOW, Jerzy; GORCZYNSKA, Zofia

Generalized candidiasis in the course of liver cirrhosis. Pol. tyg.
lek. 18 no.2:64-67 7 Ja '63.

1. Z Zakładu Anatomii Patologicznej AM w Białymstoku; kierownik: prof.
dr med. L. Komczyński i z Kliniki Chorob Zakaźnych AM w Białymstoku;
kierownik: doc. dr. med. P. Boron.
(MONILIASIS) (LIVER CIRRHOSIS)

JODEZYK, Jerzy; POPOW, Jerzy

Thymoma granulomatosum in pregnancy. Pat. polska 12 no.4:467-472
'61.

1. Z Zakładu Anatomii Patologicznej AM w Białymstoku Kierownik: prof.
dr L. Komczyński.
(THYMOMA in pregn) (PREGNANCY compl)

POLAND

POPOW, Jerzy and CIECHAN, Anatol, Department of Pathological Anatomy (Zaklad Anatomii Patologicznej) (Director: Prof. Dr. med. L. KOMCZYNSKI) and the Laryngological Clinic (Klinika Laryngologiczna) (Director: Prof. Dr. med. W. HASSMANN), both of the AM [Akademia Medyczna, Medical Academy] in Bialystok.

"Warthin's Tumor (Papillary Lymphomatic Cystadenoma)."

Warsaw-Krakow, Przegląd Lekarski, Vol 19, Ser II, No 2, 28 Feb 63, pp 157-158.

Abstract: [Authors' English summary] The authors present a case of a Warthin tumor, giving a typical microscopic picture in the parotid glands of a 72-year old woman and discuss opinions on its histogenesis. There are four (4) references cited, of which there is one each of Polish, French, Italian, and English.

POPCW, Jerzy; KASPRZYCKI, Konrad

Contribution to the problem of carcinosarcoma. Pol. tyg. lek. 19
no.15:560-562 6 Ap '64.

1. Z Zakladu Anatomii Patologicznej Akademii Medycznej w Bialymstoku
(kierownik: prof. dr. med. L. Komczynski).

POPCW, Jerzy; BERGER, Halina; JODCZYK, Jerzy

Tuberous sclerosis (Bourneville's disease). Pol. tyg. lek. 19
no.16:603-605 13 Ap '64.

1. Z Zakładu Anatomii Patologicznej Akademii Medycznej w Białym-
stoku (kierownik: prof. dr. med. L. Komczyński) i z Kliniki Cho-
rob Nerwowych Akademii Medycznej w Białymstoku (kierownik: prof.
dr. med. Z. Kanigowski).

CHOLEK, Mieczyslaw; POLSK. Język

Benign tumors of the paranasal sinuses. (Otolaryng. 1962, 13
no. 3:392-396) 162

1. 7 (1) irki Otolaryngologów; Akademii Medycznej w
Białymstoku (Otolaryng. prof. dr. med. J. Kusman) i
z Zakładu Anatomii Patologicznej Akademii Medycznej w
Białymstoku (Otolaryng. prof. dr. med. J. Komarsynski).

POLAND

KASPRZYK, Henryk, POEKON, Jerzy, and JODCZYK, Kazimierz,
Department of Pathological Anatomy (Zaklad Anatomii Patolo-
gicznej), AM [Akademia Medyczna, Medical Academy] in
Bialystok (Director: Prof. Dr. med. L. KOMCZYNSKI)

"Pneumatosis cystoides intestinal, Report of Seven Cases."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 48, 26 Nov 62,
pp 1878-1880.

Abstract: [Authors' English summary] Seven cases of in-
testinal pneumatosis are reported. Recent views concerning
the etiology and pathogenesis of this disease are discussed.
Of the nine references, two are English, the others Polish.

1/1

L 35584-65 EWT(1) GW

ACCESSION NR: AT5004157

S/3126/63/000/002/0042/0044

25

AUTHORS: Popowici, C. (Popovichi, K.)

B+1

TITLE: Determination of the coordinates of the earth's center of mass

SOURCE: Nablyudeniya iskusstvennykh sputnikov Zemli, no. 2, 1963. Warsaw, PAN, 1963, 42-44

TOPIC TAGS: earth figure, geodesy, artificial satellite orbit, satellite

ABSTRACT: Expressions are derived for determining the coordinates of the earth's center of mass in the reference ellipsoid system to which the positions of satellite observation stations are related. The relations between the geocentric coordinates of a satellite, the topocentric coordinates of an observation station, the elements of the reference ellipsoid, the geodesic latitude and longitude of the station, and the elevation of the quasi-geoid and normal elevation of the station are given. By using these relations, the geocentric coordinates of a satellite relative to the reference ellipsoid can be determined from simultaneous or nearly simultaneous observations from at least two stations. Three such points

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L 35584-65

ACCESSION NR: AT5004157

for the satellite determine the position of the osculation plane of the satellite orbit. Since this plane passes through the earth's center of mass, the intersection of three such planes determines the coordinates of the earth's center of mass relative to the reference ellipsoid. The most favorable conditions for solution of the problem would be obtained by the utilization of three satellites, two in polar orbits whose planes intersect at 90° and one in an equatorial orbit. The clarity of the article is marred by occasionally omitted, undefined, or misused symbols. Orig. art. has: 23 equations and 1 diagram.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: ES, SV

NO REF SOV: 002

OTHER: 001

Card 2/2

POPOWICZ, Marian; CELLER, Witold; TRZESZCZANOWICZ, Edward; ROMANOWSKI,
Wladyslaw

Studies on the influence of certain conditions in the
preparation of nickel catalysts on their structures, activity
and catalytic stability. Przem chem 42 no.10:563-566 C'63.

1. Zaklad Syntezy Kontaktowej, Instytut Chemii Ogolnej,
Warszawa i Katedra Chemii Nieorganicznej I, Politechnika,
Wroclaw.

POPOV, Michail

Reflex theory in the pathogenesis of primary glaucoma. Klin.oczna 31
no.4:353-358 '61.

1. Z Kliniki Okulistycznej Panstw. Inst. Med. w Smolensku Kierownik:
prof. M. Z. Popow.

(GLAUCOMA etiol)

POPOWICZ, A.

Hand-operated switchboards. p. 256.
(TELE-RADIO. Vol. 2, no. 6, June 1957, Warszawa, Poland)

SO# Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

POPOWICZ, A.

Hand-operated private telephone branch exchanges. p. 261.
(TELE-RADIO. Vol. 2, no. 6, June 1957, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

Polish Technical Abst.
No. 4, 1953
Mechanics, Electrotechnics,
Power

2425 ✓

658.514:621.39:69

Popowicz A., Thierry J. Telecommunication in
the Dispatcher Service at Building Sites.
Telekomunikacja na uslugach slusby dyspozytorskiej
w budownictwie. Przegląd Techniczny. No. 1,
1953, pp. 17-21, 6 figs.

Telecommunication system adaptable for use in the
dispatcher service in building practice.
Operating features of telephone switchboards
designed for use in building practice. Proto-
types of Polish-designed dispatcher switchboards
comply with the following requirements: 1)
they are made entirely from materials available
in Poland, 2) the design is specially adapted
to the needs of the building dispatcher service.

POPOWICZ, A.

POPOWICZ, A. Private branch-exchange switchboards. p. 148.

Vol. 1, No. 4, Nov. 1956.

TELE-RADIO

TECHNOLOGY

Warszawa, Poland

So: East European Accession, Vol. 6, No. 2, Feb. 1957

Popowicz, G.

POLON

✓ 1009. SHAFT CAGE SAFETY CATCHES. Popowicz, G. (Przeegl.
gorn. (Min. Rev.), July 1953, vol. 9, 246-250; Abstr. in Pol. Tech.
Abstr., 1954, (15), 2926). Critical review of different methods of
operating the safety catches in various types of shaft guide-ways. The
most satisfactory of all devices appears to be an electromagnetic
release actuated by impulses emanating from the loop of the cage
balancing rope at the bottom of the shaft and transmitted, by means of
the brake rope, to the cage. (L).
S.M.R. /

POPOWICZ, H. BADURA, Z.

Chromatographic partition of amino acids on columns of chitin powder.

P. 315 (Roczniki Chemii) Vol. 31, No. 1, 1957, Warszawa, Poland.

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

BARANOWSKI, T.; POPOWICZ, J.

Subcutaneous test for biological activity of ACTH. Acta physiol. polon.
3 Suppl. 3: 229-231. 1952. (CML 24:1)

1. Of the Institute of Physiological Chemistry (Head--Prof. T. Baranowski, M.D.) of Wroclaw Medical Academy.

POPOWICZ, J.; LUKASIAK-WARDZINSKA, H.

Determination of Fe^{3+} using sodium p-aminosalicylate. p. 893.

CHEMIA ANALITYCZNA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelna Organizacja Techniczna) Warszawa, Poland. Vol. 3, No. 5/6, 1958.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 8, August 1959
Uncl.

POPOWICZ, Juliusz

Amino sugars. Postepy biochem. 6 no.3:287-300 '60.
(AMINO SUGARS)

POPOWICZ, J.

Quantitative determination of chitin by the turbidimetric method. p. 7

CHAMIA ANALITYCZNA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelna Organizacja Techniczna) Warszawa, Poland. Vol. 4, No. 1/2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, August 1959.
Uncl.

MIERZECKI, H.;POPOWICZ, J.

Studies on chemical modifications during sensitization to industrial chemical compounds; preliminary communication. Przegl. derm., Warsz. 3 no.1:91-92 Jan-Mar 1953. (CLML 24:5)

1. Of the Dermatological Clinic (Head--Prof. H. Mierzecki, M.D.) of Wroclaw Medical Academy.

POPOWICZ, Juliusz

Gel filtration on the dextran Sephadex. Postepy biochem. 9
no.2:245-256 '63.

1. Till minne av arbete i Medicinsk-Kemiska Institutionen i
fortjusande Uppsala.
(DEXTRAN) (BIOCHEMISTRY)

~~POPOWICZ, J.~~
BARANOWSKI, T.; MORAWIECKI, A.; MEJBAUM-KATZENELLENBOGEN, W.; POPOWICZ, J.,
LISOWSKA, E.

Attempted purification of active peptide from hydrolysates of acid
ACTH. Acta physiol. polon. 5 no.4:567-570 1954.

1. Z Zakładu Chemii Fizjologicznej Akademii Medycznej we Wrocławiu.
Kierownik: prof. dr. T. Baranowski.

(ACTH,

isolation of active peptide from hydrolysates of acid ACTH)

(PEPTIDES, determination,

isolation from hydrolysates of acid ACTH)

POPOWICZ, Juliusz; POPOWICZ, Ludomir

Optimal conditions for melanophoric reaction with *Rana temporaria*
and *Rana terrestris*. Acta physiol. polon. 5 no.4:575-576 1954.

1. Z Zakladu Chemii Fizjologicznej Akademii Medycznej we Wroclawiu.
Kierownik: prof. dr T. Baranowski.

(MELANIN, effects,

melanophoric reaction, optimal cond. in *Rana temporaria*
& *Rana terrestris*)

LOZA-WILDEN, Maria; POPOWICZ, Krystyna; SZCZOTKA, Franciszek

The sequence of ossification foci in the hand and carpal bone in Warsaw children. Pol. przegl. radiol. 29 no.5: 461-467 S-O ' 65.

1. Z Zakładu Rentgenologicznego Akademii Wychowania Fizycznego; z Pracowni Rentgenologicznej Instytutu Naukowego Kultury Fizycznej (Kierownik: prof. dr. med. W. Czarnocka-Karpinska) i z Zakładu Statystyki i Metod Matematycznych Akademii Wychowania Fizycznego (Kurator: prof. dr. J. Perkal).

POPOWICZ, JULIUSZ

7 7 5
Partition chromatography of amino acids on columns of chitin powder. Juliusz Popowicz and Zofia Badura (Akad. Med. Białystok, Poland). *Roczniki Chem.* 31, 815-17 (1957) (English summary).—Some acids were sepd. by partition chromatography using the mixt. of PrOH , H_2O , and AcOH in the ratio 29:10:1 as the solvent. Glutamic and aspartic acids are sharply sepd. from each other and from leucine (I) and alanine (II) on columns filled with chitin powder (III), and to a lesser degree on cellulose (IV). A mixt. of glycine, valine, lysine, I, and II or of phenylalanine, tyrosine, I, and II is sepd. equally well on III or IV.
A. Kroggiewski

POPOWICZ, Juliusz; POPOWICZ, Ludomir

Optimal conditions for melanophoric reaction with *Rana temporaria*
and *Rana terrestris*. Acta physiol. polon. 5 no.4:575-576 1954.

1. Z Zakladu Chemii Fizjologicznej Akademii Medycznej we Wroclawiu.
Kierownik: prof. dr T. Baranowski.

(MELANIN, effects,

melanophoric reaction, optimal cond. in *Rana temporaria*
& *Rana terrestris*)

51190

2209

23308

3/24/86/040/004/007
A224/A126

AUTHORS: Geller, Witold, Popowicz, Marjano, Balcerek, Kazimierz and
Greszczałowicz, Edward

TITLE: Investigations on obtaining xylenes by alkylation of toluene with
methanol in the presence of phosphoric acid on two-skeleton carrier

PERSONAL: Przewodnik Chemiczny, v. 40, no. 1, 1961, 29-31

TEXT: The research on obtaining xylenes by alkylation of toluene with
methanol in presence of phosphoric acid as catalyst, was undertaken in view of
the expected shortage of xylenes in Poland in and after 1965, when production
of polyester fibers will commence. On the other hand, substantial surplus of
toluene and methanol is expected at the same time. Work of similar character was
carried out in America with promising results. In order to establish optimum
conditions under which the synthesis of xylenes can be carried out, various
parameters of alkylation were investigated separately with the following results:
Influence of pressures: there was no alkylation of benzene ring at atmospheric
pressure and 340 - 380 °C in presence of orthophosphoric acid on kieselguhr as
carrier; better results were obtained by using aluminum silica as catalyst

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8/24/61/040/001/004/007

A221/A.26

Investigations on obtaining xylenes ...

carrier. Eventual application of higher pressure (36 atm) solved the problem and at the same time stopped the dehydration of the catalyst which was observed at atmospheric pressure. Influence of partial steam pressure: certain partial pressure of steam in the reactor is vital for maintaining the activity of the orthophosphoric catalyst. Partial pressure of 6-10 atm was found to be satisfactory, and about 5% of water in proportion to applied mixture had to be added to the reaction. Influence of the mixture composition: on the basis of experience gained the molar ratio 4:1 of toluene and methanol was maintained during most of the tests. Such a mixture secured higher yield of xylenes and lesser yield of methyl benzenes. Influence of reaction temperature: it was established that optimum alkylation of toluene takes place at a temperature about 20°C lower than at benzene alkylation. It has been observed that at a temperature above 360°C decomposition of methanol, and consequently carbon (soot) settling on the catalyst takes place. Influence of catalyst on the reacting mixture ratio: After some experiments, the ratio of 0.25 lit per liter of catalyst was found to be most suitable. Influence of catalyst carrier- kieselguhr, siliceous earth and silica gel: the most difficult part of the investigation was concerned with preparation of a catalyst of good catalytic activity and mechanical strength. Phosphoric acid sor on kieselguhr or siliceous earth with, or without benzonitrile,

Card 2/4

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P/14/61/040/001/004/007

A221/A126

Investigations on obtaining xylenes ...

ZnO, TiO₂ was not very active and was losing its activity rapidly. This was partly due to chemical combining of phosphoric acid with aluminum and the leaching effect of water. Catalyst made on kieselguhr carrier washed with hot water, lost 50% of P₂O₅ within 12 hours. Accumulation of soot on the catalyst, too, was responsible for loss of activity. Catalyst prepared on silica gel was much superior and after 300 hours still maintained 70-75% of its original activity. As the reaction was carried out at a temperature 10 - 20°C lower than that with kieselguhr catalyst, less carbon settling on the catalyst was observed. The composition of xylenes thus obtained was: 52% of o-xylene, 22% of m-xylene and 26% of p-xylene. Influence of inert two-skeleton carbon catalyst carrier: Following the experience of some Soviet scientists the authors prepared the so-called two-skeleton catalyst carrier: Activated charcoal was soaked in sodium silicate, and SiO₂ in its pores precipitated by means of sulfuric acid. After washing and drying, the carrier was soaked in 40% ortho-phosphoric acid and dried out at 320-340°C. The catalyst thus prepared contained 30% of activated charcoal, 4% SiO₂ and 66% of pyrophosphoric acid (H₄P₂O₇). This two-skeleton catalyst mass proved to be more active and durable than those previously described. Its activity remained practically unchanged after a 300-hour test and from the original 66% it retained 50% of orthophosphoric acid. The xylene to poly-methyl toluene ratio

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Investigations on obtaining xylenes ...

P/24/61/040/001/004/007
A221/A126

In the crude product was 2:1 with around 27% of p-xylene in it. On the basis of this laboratory work a semi-technical installation was put into operation and the above-mentioned findings were confirmed. There are 2 figures, and 11 references: 7 Soviet-bloc and 4 non-Soviet-bloc. The reference to the most recent English-language-publication reads as follows: Pat. amer. 2756261(1956).

ASSOCIATION: Zakład Syntezy Kontaktowej Instytutu Chemii Ogólnej (General Chemistry Institute, Contact Synthesis Department) in Warsaw.

SUBMITTED: August 9, 1960

Card 4/4

POPOWICZ, MARIAN.

Distr: LE3d/LE2c(j)

Phosphate catalyst activity. I. Influence of metal oxide admixtures on catalyst activity in alkylation of benzene with methanol. Leszek Grzelewski, Marian Popowicz, and Edward Treszczanowicz (Inst. Chem. Ogólnej, Warsaw). *Chem. Sposobami* 2, 233-38 (1958) (English summary).—A catalyst (I), contg. P_2O_5 64, kieselguhr 20.5, ZnO 8.5, and bentonite 3% was used for vapor-phase alkylation of benzene (II) with MeOH. I was prepd. by treating kieselguhr, ZnO, and bentonite, mixed in the above ratio, with 85% H_3PO_4 , drying at 200-20°, and crushing (grain size 5-10 mm.). To avoid soot formation 5% H_2O was added to II-MeOH mixt. of 2:1 mol. ratio. Contact times were 20 or 25 min. VO_2 (2), WO_3 (2), or TiO_2 (1-4%) added to I, increased its activity effectively, CaO (5%) decreased it strongly, Fe_2O_3 (1-4) and Cr_2O_3 (4% with respect to I) had no effect. ZnO and bentonite were also found to improve the activity of I. II. The influence of ignition on catalyst activity. Tentative regeneration. *Ibid.* 239-45 (English summary).—I, and I + 2% TiO_2 were regenerated by 10-hr. ignition at 800°; a German catalyst (III) contg. P_2O_5 45%, and poisoned by carbon deposit (40%), was regenerated over 10 hrs. by passing in air, 80 l./hr., at 600° and 800°. Under the conditions the activity of I and TiO_2 was completely restored after 20 and 100 min., resp., that of III only partially; apparently C was not the only poison. Hardness and compressive strength of I and TiO_2 regenerated were good. Ignition up to 900° and above reduced activity owing to recrystn. and deformation processes.

A. Szafranski

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POLAND/Chemical Technology. Chemical Products H
and Their Applications. Industrial
Organic Synthesis.

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 20391

Author : Popowicz, M.

Inst : -

Title : Determination of the Content of p-Xylene
in a Xylene Fraction by the Cryometric
Method.

Orig Pub : Chem. analit., 1957, 2, No 4, 458-365 [sic]

Abstract : In connection with the existing complicated
and labor-consuming methods for determining
the isomers of xylene (I) by means of ni-
trating with a mixture of HNO_3 and a con-
centration of H_2SO_4 and spectrophotometric

Card : 1/3

Popowicz, M.

7 3
 ✓ Determination of the *p*-xylene fraction by the cryometric method. *M. Popowicz*, (Gen. Chem. Inst., Warsaw). *Chem. Anal.* (Warsaw) 2, 353-55(1957)(English and Russian summaries).—A simple cryometric method is given for detg. *p*-xylene (I) in xylene fraction (cf. Świątosławski, *Metody oczyszczania i rozdzielania substancji*, Warsaw (1950); Klyachko-Gurvich, *Cryoscopy*, Moscow(1955)). I was detd., on the evidence of I freezing temp. in a xylene mixt. (the standard curve was prepd.). The error does not exceed 2%. Small amts. of impurities such as *o*-xylene, ethylbenzene, and mesitylene have no effect on the shape of the freezing-temp. compn.-solv. curve. The results were compared with those obtained by spectrographic and chem. methods (cf. Młodecka, *Przemysł Chem.*, 34, 315(1955); Kontnik and Kraczkiewicz, *C.A.* 51, 7241c). A satisfactory agreement was obtained. *Z. Kućtyka* 1/1

Popowicz, M.

POLAND/Physical Chemistry - Kinetics. Combustion. B-9
Explosions. Topochemistry. Catalysis.

Abs Jour: Referat Zhur - Khim, No. 9, 1959, 30578

Author : Grzelewski, L., Popowicz, M., Treszczanowicz, E.

Inst : Not given

Title : Studies of the Reactivity of Phosphate Contact Catalysts. I. Effect of the Addition of Metal Oxides on the Reactivity of the Catalysts in the Alkylation of Benzene with Methanol. II. Effect of Sintering of the Catalysts on Their Reactivity in the Alkylation of Benzene by Methanol.

Orig Pub: Chem Stosow, 1958, No 2, 233-238, 239-245

Abstract: I. The reactivity of phosphate catalysts (PC) containing 64% P_2O_5 , 6.5% ZnO , 26.5% kieselguhr,

Card 1/3

32

P. T. A

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622.66-83

265

Popowicz O., Dr. Safety Brakes of Winding Engines.
"Hamulce maszyn wyciągowych". Przegląd Górniczy. No 4. 1950.
pp. 187—193, 12 figs.
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SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
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p. 197.

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din Romania si Ministerul Industriei Petrolului si Chimie)
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RUMANIA / General Biology. General Histology.

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Abs Jour: Ref Zhur-Biol., No 23, 1958, 103251.

Author : Popp, Ion.

Inst : Rumanian Academy of Science.

Title : Transformation of Nuclei in Transversely-Striated Muscle Fibers Subjected to Changes by Means of the Introduction of Collodion Sacs. The Problem of the Theory of Development of Non-Cellular Living Matter.

Orig Pub: Bull. stiint. Acad. RPR. Sec. med., 1956, 8, No 4, 1045-1060.

Abstract: An attempt was made at applying the Lepeshinskaya theory to the study of regeneration of transversely-striated rat muscle fibers. The investigations were conducted on four groups of rats, in which collodion sacs were implanted in the rectus abdominis

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(CELL NUCLEUS

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Vol. 8, no. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI) LC Vol 8, No. 6, June 1959
Uncl.

COUNTRY :Rumania D
 CATEGORY :Cosmochemistry. Geochemistry. Hydrochemistry.
 ABS. JOUR. : RZKhim., No. 16 1959, No. 56771
 AUTHOR :Popp, N.
 INST. ~~Not given~~
 TITLE :Hydrochemical Conditions in the Canebrakes in the Danube Delta
 ORIG. PUB. :Celul si Hirtie, 7, No 10, 401-410 (1958)
 ABSTRACT :The author has studied the variation of hydro-chemical conditions in three characteristic canebrake areas of the Danube Delta: Malyuk, Ruska (swamp lands and tidal flats), and Matitsa (river shoals). The investigation covered the period 1953-1957. During that period the hydro-chemical indicators pointed to optimum conditions for the growth of the cane: pH 7.0-7.4, total hardness 3.00-4.85 mequiv, alkalinity 3.1-5.2 mequiv, oxygen demand 18.8-79.2 mg O₂ per liter;

CARD: 1/2

69

POPP, N

TECHNOLOGY

PERIODICAL: CILULOZA SI HIRTIE, Vol. 7, no. 10, Oct. 1958

POPP, N. Reed grasses of the Danube River delta, and their hydrochemical conditions in the units which are being arranged for exploitation. p. 401

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4
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Plain (the northern Baragan). Meteorologia hidrol gosp 8 no.1:
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Peat bogs and swamps in the Danube Delta. Cel hirtie 11 no.3:
81-90 Mr.*62.

POPP, N.; Ionescu, N.

Additions to the pedology of the Danube River delta, in regard to rush culture. p. 291.
(CELULOZA SI HIRTIE. Vol. 5, no. 11/12, Nov./Dec. 1956, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

RUMANIA / Soil Science. Soil Genesis and Geography.

J

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6050.

Author : Ionescu, N.; Popp, N.

Inst : Not given.

Title : The Soil Cover of the Duna River Delta and Rush
Cultivation.

Orig Pub: Celuloza si hirtio, 1956, 5, No 11-12, 291-304.

Abstract: No abstract.

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Braila Island, a local source of reed for the Pulp and
Paper Mills, Braila. Cel hirtie 13 no.9:313-318 S '64.

KRAJE, M.; POPE, M.

Determination of small amounts of aldosterone and corticosterone in the incubation medium of the adrenal gland of rats. Physiol. Bohemosl. 13 no.5:457-461 '64.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.

L 41283-66

ACC NR: AP6030535

SOURCE CODE: RU/0024/65/000/006/0023/0037

AUTHOR: Popp, N. (Doctor; Bucharest)

ORG: none

TITLE: Subcarpathian hills of Rumania. Geographic characterization

SOURCE: Natura. Seria geografie-geologie, no. 6, 1965, 23-37

TOPIC TAGS: physical geography, physical geology \8

ABSTRACT: A physical-geographic description of the Subcarpathian hills, a stretch characterized by high neotectonic instability which consists mainly of neogene formations formations containing friable rocks in folded strata. Both intense erosion and the presence of alluvial deposits are typical of the area. Orig. art. has: 1 figure. [Based on author's Eng. abst.] [JPRS: 34,672]

SUB CODE: 08 / SUBM DATE: none / ORIG REF: 016

Card 1/1

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ACC NRT AP 5028261 SOURCE CODE: PO/0006/65/013/002/0317/0324

AUTHOR: Popp, S. (Bucharest)

ORG: none

TITLE: Investigation of the subsonic flow of a compressible fluid in a duct in the presence of an obstacle

SOURCE: Rozprawy inzynierskie, v. 13, no. 2, 1965, 317-324

TOPIC TAGS: ~~gas flow~~, flow analysis, ~~flow distribution~~, ~~flow measurement~~, ~~flow velocity~~, ~~flow field~~, ~~steady flow~~ ideal gas, compressible gas, subsonic flow, compressible fluid, fluid flow

ABSTRACT: Using the hydrographic method, the author investigates the steady state, irrotational and isentropic flow of an ideal compressible gas in a duct in which a circular or nearly circular obstacle projects, and compares her results with those of other researchers cited in the text who used approximation methods applied to a physical plane, or hydrographic approximation methods. Values of critical Mach number, obtained in this study by the hydrographic method, are compared with the values obtained using E. Lamla's expression for the maximum value at the obstacle. The results obtained

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P.O.P.P., SIMONA
RUM.

Popp, Simona. Corrections de compressibilité dans le problème de Helmholtz. Acad. Repub. Pop. Române. Bul. Şti. Sect. Şti. Mat. Fiz. 4, 555-562 (1952). (Romanian. Russian and French summaries)

The Janzen-Rayleigh method of expansion in powers of M^2 , applied previously to subsonic flows past fixed bodies, is extended in this paper to the Helmholtz flow past a flat plate² which is the first free-boundary problem to be so treated. The author obtains explicitly the approximation to order M^2 , using the complex variable approach to the Janzen-Rayleigh approximation. His treatment of the boundary conditions for the free-surface problem is the essential innovation in the method. D. Gilberg.

RITA JG

POPP, Simona

Simona
POPP, Simona. Sur un problème concernant le mouve-
ment d'un fluide compressible. I, II. Rev. Univ. "CY"
I. Parhon. *Buletinul Societ. Sti. Nat. I. R. M.*
Bucuresti, 1954, 4, 1-2, 1-2. Romanian
Acad. Sci. Publ. Math.
Chaplygin's method has been applied to transform the
incompressible flow in a symmetrical plane jet of finite
width impinging on an infinite wedge into subsonic
compressible flow of a finite jet about the same wedge.
The second paper extends the discussion to the asymmetric
case.
J. H. Rose (Aberdeen, Md)

Phys

Sim

POPP, Simona

Studies on the subsonic motion around a body situated in a canal. Studii cerc mat 14 no.2:213-221 '63.

POPP, Simona (Bucarest)

Correction of compressibility in the Helmholtz problem.
Bull math Rum 4 no.1:79-84'60.

POPP, Simona, conf. univ.

Professor Victor Valcovici; on the occasion of conferring upon
him the title of "Scientist." Gaz mat fiz 15 no.3:161-165 Mr '63.

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Achievements in the mechanics of fluids during the last 20
years. Gaz mat fiz 69 no.8:285-291 Ag 164

S/124/62/000/003/011/052
D237/D301

AUTHOR: Popp, Simona

TITLE: Research on determining corrections for compressibility in the case of plane subsonic flows

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1962, 27, abstract 3B138 (Studii și cercetări mat. Acad, RPR, 1961, 12, no. 1, 37 - 90)

TEXT: A subsonic stable plane potential flow of gas around a given obstacle is studied by determining a correction to the solution obtained for the incompressible fluid. In calculating this correction only the terms proportional to the square of the Mach No. of the incident flow are taken into account. This method is applied to some flows with detaching jets. In the case of the plate streamlined at an arbitrary angle and of the symmetrical streamlining of a double-faced wedge, a resultant of hydrodynamic forces acting on the obstacle and velocity distribution on the obstacle are determined. [Abstractor's note: Complete translation].

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Considerations on upper digestive hemorrhages. Med. intern., Bucur
13 no.2:221-226 F '61.

1. Lucrare efectuata in Spitalul unificat de adulti nr. 1, Oradea.

(HEMORRHAGE, GASTROINTESTINAL etiology)

POPP, Yu.A. (Omsk)

Linearization of position forces by fragmental-linear approximation.
(MLRA 7:5)
Inzh.sbor. 18:149-152 '54.
(Vibration) (Mathematical physics)